

Product datasheet for **RC227804**

ZNF438 (NM_001143769) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF438 (NM_001143769) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF438
Synonyms:	bA330O11.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC227804 representing NM_001143769
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGAATTCTGTATCAGTACCACAAAAGATGAAGGTGAATCAAACATCCCTTCTGGAACAATACAGA
 GTAGGAAAGGTTTGCAGAATAAGAGTCAGTTTAGGACCATTGCACCAAAAATTGTGCCCAAAGTCCTAAC
 GTCAGAAATGCTGCCATGTCATTACCATCACGCTCTGATCAGGTGAATCTGGGACCCTCCATCAACTCC
 AAGCTGCTGGGGATGTCCACCCAGAACTATGCCCTGATGCAGGTTGCTGGCCAGGAGGGACATTTTCTC
 TTGTTGCTCTGCCACATGTTGCCTCAGCTCAGCCAATTAGAAAACCCAGAATGTCCCTACCTGAAAACT
 GAAACTTCTATTCTAGATATCAACCCCTAGAAATAGCAAAGCATCAAGAAAGAAACCCATCTGATC
 TTTCTAAGAGTGGCTGTAGCAAAGCTCCTGCCAAACCCAAATGTGCTCCTCAGATGTCCCTTCCCAC
 CTCACCACCTGAACTCCTGTACAAACCCAGTCCATTTGAGGAAGTACCATCACTAGAGCAAGCCCCAGC
 CAGCATTAGCACAGCTGCGCTGACCAATGGAAGTACCATGGGGACTTGAGACCACAGTGACCAACACC
 CATGGCAGTCTGAACCTCCTGCTACCCAGCATCATCCACACCAGAGGAGCCTGCCAAGCAGGACCTCA
 CAGCTCTTTACAGGAAAGCACACTTTGTAAAGCAAGATAACATCTAGTAAACCTTCTGCTGTTGCCAGTGA
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 AGGTTTACAAAATCAAATCAGATGCTAACATTGCAGGTTTTTCTTACCAGGACCTAAGGCCGACTGTGA
 TAAGATACCCTCCACCACAGAAGGCTTAAATGCAGCCACCAAGGTGGCAAGCAGGCTACCTGTTCCACAA
 GTGTCACAGCAGAGTGCCTGTGAAAGTGCCTTTGTCCACCCACCAACTTGATCTTAACCAAAAAACAA
 AACTGAAACAGTGGAGCAGCAAAGAGAAAAGGAAGAAAACGGAAGGTACCAGATGAAATTTTGGCATTTC
 GGGAAAAAGGAGGAAATATATCATTAAATAGTGTAGAGATGGTAAAGAAAGAGTAAAAAATGATCCCCAA
 GAATTCAGAGACCAAAAGCTGGGGACCCTGAAAAAATACCGTAGCATTATGCCAAAACCTATCATGGTCA
 TACCCACTTTGGCCTCCCTGGCTTCTCCAACACTACACTACAGTCCCAGATGCTTGGGGCCTAGGACAGGA
 TGTTTTGTAAATAATTCACCTACTCCTAAATATCTTGGCTGTAAGCAAGACAACAGCTCTTCCCCTAAG
 CCCAGCTCCGTGTTAGAAAATGGATTCTCTGGCATTAGAAGCCTTGGCACAGATGTCACGTCTGCAACC
 ACCACTCCAGTTCAAACAGCACCTTCGAGACCACATGAATACACACCAACAGACGCCCTTACAGTTG
 TCGGATTTGTGCAAGTCTATGTACGCTCTGGCAGCCTGAGCACACACATGAAACTTCATCATGGTGAG
 AACCGTCTGAAGAACTCATGTGTTGTGAGTTTTGTGCAAAAGTGTGGCCACATCCGAGTCTATTTTG
 GCCATCTGAAAGAAGTGCATAGGGTTGTGATCAGCACTGAGCCTGCGCCAGTGAAGTGCAGCCAGGAGA
 CATACCAAGAACAGAGACATGAGTGTGCGAGGCATGGAGGGATCATTGGAGAGGGAAAAACAAGTCCAAC
 CTGGAAGAAGACTTCTTCTAAACCAGGCAGACGAAGTCAAATACAAATCAAATGTGGTCTGTTGTCAGA
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 GCTACAAGAAGGGACCTTCCCAGGAAGCAAGGGGACTCAGGAAGAGTTGGTGCAGCACGCTAGCCCCGAC
 TGGAAAAGGCATCCTGAGAGAGGGAAGCCGGAAGGTTTCAATCTCCTCCGAGGAATCATATGCATGTC
 CAAGACTGAAAAGGCAGCTCCACCTTATCAGAATGGCGTGAAATGCTCATGGAAAATGAAGGACCCCA
 GTCAGGAACCAACAAGCCAAGGAAACCTGCCAGGGCCCTGAGTGTCTTGGCCTCCACACGTTTCTCTTG
 TGGTCCCATTAGGCTTTAACTGCCTGCTTTGTGCAAGAGATGCTGGGACGAAAGAGGACCTCCTCCACC
 ACTGGAAGCACAGCATAACTGTGAGGACCTTCCAAACTGTGGGCTATTTTAAATACGGTCTCCAACCA
 GGGAGTGATCGAACTTTCCAGTGAAGCTGAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC227804 representing NM_001143769
 Red=Cloning site Green=Tags(s)

MQNSVSVPPKDEGESNIPSGTIQSRKGLQNKSQFRTIAPKIVPKVLT SRMLPCHSPSRSDQVNLGPSINS
 KLLGMSTQNYALMQVAGQEGTFLVALPHVASAQPIQKPRMSLPENLKLPIPRYQPPRNSKASRKKPILI
 FPKSGCSKAPAQTQMCPQMSPSPPHPELLYKPSPFEEVPSLEQAPASISTAAL TNGSDHGDLRPPVTNT
 HGSLNPPATPASSTPEEPKQDLTALSGKAHFVSKITSSKPSAVASEKFKEQVDLAKTMTNL SPTILGNA
 VQLISSVPKGKLPIPPYSRMKTMEVYKIKSDANIAGFSLPGKADCDKIPSTTEGFNAATKVASRLPVPQ
 VSQQSACESAFPCPTKLDL NHKTKLNSGAARKRGRKRVPEILAFQGKRRKYIINKCRDGKERVKNPQ
 EFRDQKLGTLKKYRSIMPKPIMVIPTLASLASPTTLQSQMLGGLGQDVLLNNSLTPKYLGCKQDNSSSPK
 PSSVFRNGFSGIKKPWHRCHVCNHHFQFKQHLRDMNHTNRRPYSCRICRKS YVRPGSLSTHMKLHHGE
 NRLKKLMCFECAFVGHIRVYFGHLKEVHRVVI STEPAPSELQPGDIPKNRDM SVRGMESLERENKSN
 LEEDFLLNQADEVKLQIKCGRCQITAQSF AEIKFHLLDVHGEEIEGRLQEGTFPGSKGTQEELVQHASPD
 WKRHPERGGKPEKVHSSSEESHACPRLKRQLHLHQNGVEMLMENE GPQSGTNKPRETCQGEPCPLHTFLL
 WSHSGFNCLLCAEMLGRKEDLLHHWKHQHNCEDPSKLWAILNTVSNQGVIELSSEAEK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001143769

ORF Size: 2487 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001143769.1](#), [NP_001137241.1](#)

RefSeq Size: 3431 bp

RefSeq ORF: 2340 bp

Locus ID: 220929

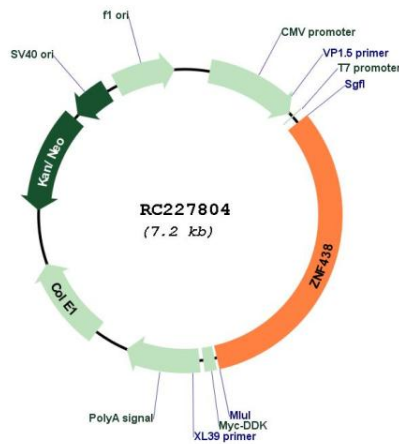
UniProt ID: [Q7Z4V0](#)

Cytogenetics: 10p11.23

MW: 91.8 kDa

Gene Summary: Isoform 1 acts as a transcriptional repressor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC227804